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TECH CENTER 1600/2900



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#26

RAW SEQUENCE LISTING

DATE: 07/23/2002

PATENT APPLICATION: US/08/952,570B

TIME: 14:37:20

Input Set : A:\08269-006001.txt

Output Set: N:\CRF3\07232002\H952570B.raw

ENTERED

4 <110> APPLICANT: Lunderbert, Joakim
 5 Uhlen, Mathias
 7 <120> TITLE OF INVENTION: METHOD FOR ACTIVATING A REVERSIBLY INACTIVATED IMMOBILIZED
 ENZYME
 8 BY RELAEASE FROM AN IMMOBILIZING MOIETY AND ITS USE IN NUCLEIC ACID
 9 AMPLIFICATION REACTIONS
 11 <130> FILE REFERENCE: 08269-006001
 13 <140> CURRENT APPLICATION NUMBER: US 08/952,570B
 C--> 14 <141> CURRENT FILING DATE: 1997-11-10
 16 <150> PRIOR APPLICATION NUMBER: PCT/GB96/01108
 17 <151> PRIOR FILING DATE: 1996-05-09
 19 <150> PRIOR APPLICATION NUMBER: GB/9509336.5
 20 <151> PRIOR FILING DATE: 1995-05-09
 22 <160> NUMBER OF SEQ ID NOS: 23
 24 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 26 <210> SEQ ID NO: 1
 27 <211> LENGTH: 32
 28 <212> TYPE: DNA
 29 <213> ORGANISM: Thermus aquaticus
 31 <400> SEQUENCE: 1
 32 gggaattcca tggacgatct gaagctctcc tg 32
 34 <210> SEQ ID NO: 2
 35 <211> LENGTH: 32
 36 <212> TYPE: DNA
 37 <213> ORGANISM: Thermus aquaticus
 39 <400> SEQUENCE: 2
 40 cccaagctt ctgcaggatc ttctccacga tg 32
 42 <210> SEQ ID NO: 3
 43 <211> LENGTH: 20
 44 <212> TYPE: DNA
 45 <213> ORGANISM: Thermus aquaticus
 47 <400> SEQUENCE: 3
 48 gaagatcctg cagtaccggg 20
 50 <210> SEQ ID NO: 4
 51 <211> LENGTH: 26
 52 <212> TYPE: DNA
 53 <213> ORGANISM: Thermus aquaticus
 55 <400> SEQUENCE: 4
 56 gggtegcacct ccttggcgga gagcca 26
 58 <210> SEQ ID NO: 5
 59 <211> LENGTH: 15
 60 <212> TYPE: DNA
 61 <213> ORGANISM: Thermus aquaticus
 63 <400> SEQUENCE: 5

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64 gtcgactaac tgcag 15

66 <210> SEQ ID NO: 6

67 <211> LENGTH: 27

68 <212> TYPE: DNA

69 <213> ORGANISM: Artificial Sequence

71 <220> FEATURE:

72 <223> OTHER INFORMATION: Synthetically generated primer

74 <220> FEATURE:

75 <221> NAME/KEY: misc_feature

76 <222> LOCATION: (1)...(1)

77 <223> OTHER INFORMATION: n = modified nucleotide (fluorescein-labeled c)

79 <400> SEQUENCE: 6

80 nagtcacgac gttgtaaaac ggccagt 27

82 <210> SEQ ID NO: 7

83 <211> LENGTH: 37

84 <212> TYPE: DNA

85 <213> ORGANISM: Artificial Sequence

87 <220> FEATURE:

88 <223> OTHER INFORMATION: Synthetically generated primer

90 <400> SEQUENCE: 7

91 ccctgatcac catgggcgca acacgatgaa gccgtag 37

93 <210> SEQ ID NO: 8

94 <211> LENGTH: 51

95 <212> TYPE: DNA

96 <213> ORGANISM: Artificial Sequence

98 <220> FEATURE:

99 <223> OTHER INFORMATION: Synthetically generated primer

101 <400> SEQUENCE: 8

102 ggggggatcca tgtagtgagc gaaggtacca ttgcgtcta ctttcggcgc c 51

104 <210> SEQ ID NO: 9

105 <211> LENGTH: 36

106 <212> TYPE: DNA

107 <213> ORGANISM: Streptococcus

109 <400> SEQUENCE: 9

110 ccgaattcgc tagcttagct gaagctaaag tcttag 36

113 <210> SEQ ID NO: 10

114 <211> LENGTH: 32

115 <212> TYPE: DNA

116 <213> ORGANISM: Streptococcus

118 <400> SEQUENCE: 10

119 ccggtaccag gtaatgcagc taaaatttca tc 32

121 <210> SEQ ID NO: 11

122 <211> LENGTH: 27

123 <212> TYPE: DNA

124 <213> ORGANISM: Cocksackievirus

126 <400> SEQUENCE: 11

127 aatttggaag ctctgttcca ggggccg 27

129 <210> SEQ ID NO: 12

130 <211> LENGTH: 27

RAW SEQUENCE LISTING

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131 <212> TYPE: DNA
 132 <213> ORGANISM: Cocksackievirus
 134 <400> SEQUENCE: 12
 135 aattcggacc ctggaacaga gcttcca 27
 137 <210> SEQ ID NO: 13
 138 <211> LENGTH: 63
 139 <212> TYPE: DNA
 140 <213> ORGANISM: Artificial Sequence
 142 <220> FEATURE:
 143 <223> OTHER INFORMATION: Synthetically generated primer
 145 <220> FEATURE:
 146 <221> NAME/KEY: misc_feature
 147 <222> LOCATION: (1)...(1)
 148 <223> OTHER INFORMATION: n = modified nucleotide (biotin-conjugated c)
 150 <400> SEQUENCE: 13
 151 ntagtagcct gcgccagatc ctggacagcc agaaaatsga atggcgagc aacgctggtg 60
 152 gtg 63
 154 <210> SEQ ID NO: 14
 155 <211> LENGTH: 63
 156 <212> TYPE: DNA
 157 <213> ORGANISM: Artificial Sequence
 159 <220> FEATURE:
 160 <223> OTHER INFORMATION: Synthetically generated primer
 162 <220> FEATURE:
 163 <221> NAME/KEY: misc_feature
 164 <222> LOCATION: (1)...(1)
 165 <223> OTHER INFORMATION: n = modified nucleotide (biotin-conjugated c)
 167 <400> SEQUENCE: 14
 168 ntagcaccac cagcgttgc gcgccattcs attttctggc tgtccaggat ctggcgagc 60
 169 caa 63
 172 <210> SEQ ID NO: 15
 173 <211> LENGTH: 30
 174 <212> TYPE: DNA
 175 <213> ORGANISM: Artificial Sequence
 177 <220> FEATURE:
 178 <223> OTHER INFORMATION: Synthetically generated primer
 180 <220> FEATURE:
 181 <221> NAME/KEY: misc_feature
 182 <222> LOCATION: (1)...(1)
 183 <223> OTHER INFORMATION: n = modified nucleotide (his-conjugated c)
 185 <400> SEQUENCE: 15
 186 ntagtcacca ccaccaccac cacggtggtg 30
 188 <210> SEQ ID NO: 16
 189 <211> LENGTH: 30
 190 <212> TYPE: DNA
 191 <213> ORGANISM: Artificial Sequence
 193 <220> FEATURE:
 194 <223> OTHER INFORMATION: Synthetically generated primer
 196 <220> FEATURE:

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Input Set : A:\08269-006001.txt

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197 <221> NAME/KEY: misc_feature
198 <222> LOCATION: (1)...(1)
199 <223> OTHER INFORMATION: n = modified nucleotide (his-conjugated c)
201 <400> SEQUENCE: 16
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204 <210> SEQ ID NO: 17
205 <211> LENGTH: 35
206 <212> TYPE: DNA
207 <213> ORGANISM: Thermus aquaticus
209 <400> SEQUENCE: 17
210 cacgcgtcga cctccttggc ggagagccag tcctc 35
212 <210> SEQ ID NO: 18
213 <211> LENGTH: 21
214 <212> TYPE: DNA
215 <213> ORGANISM: Artificial Sequence
217 <220> FEATURE:
218 <223> OTHER INFORMATION: Synthetically generated primer
220 <400> SEQUENCE: 18
221 tcgactaact gcaggcatgc a 21
224 <210> SEQ ID NO: 19
225 <211> LENGTH: 21
226 <212> TYPE: DNA
227 <213> ORGANISM: Artificial Sequence
229 <220> FEATURE:
230 <223> OTHER INFORMATION: Synthetically generated primer
232 <400> SEQUENCE: 19
233 agcttgcatg cctgcagtta g 21
235 <210> SEQ ID NO: 20
236 <211> LENGTH: 27
237 <212> TYPE: DNA
238 <213> ORGANISM: Artificial Sequence
240 <220> FEATURE:
241 <223> OTHER INFORMATION: Synthetically generated primer
243 <220> FEATURE:
244 <221> NAME/KEY: misc_feature
245 <222> LOCATION: (1)...(1)
246 <223> OTHER INFORMATION: n = modified nucleotide (fluorescein-labeled c)
248 <400> SEQUENCE: 20
W--> 249 nagtcacgac gttgtaaaac ggccagt 27
251 <210> SEQ ID NO: 21
252 <211> LENGTH: 23
253 <212> TYPE: DNA
254 <213> ORGANISM: Homo sapiens
256 <400> SEQUENCE: 21
257 tgaaaatgac tgaatataaa ctt 23
259 <210> SEQ ID NO: 22
260 <211> LENGTH: 23
261 <212> TYPE: DNA
262 <213> ORGANISM: Homo sapiens

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Input Set : A:\08269-006001.txt

Output Set: N:\CRF3\07232002\H952570B.raw

264 <400> SEQUENCE: 22
265 gatcatattc gtccacaaaa tga 23
267 <210> SEQ ID NO: 23
268 <211> LENGTH: 7
269 <212> TYPE: PRT
270 <213> ORGANISM: Cocksackievirus
272 <400> SEQUENCE: 23
273 Glu Ala Leu Phe Gln Gly Pro
274 1 5

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/08/952,570B

DATE: 07/23/2002
TIME: 14:37:21

Input Set : A:\08269-006001.txt
Output Set: N:\CRF3\07232002\H952570B.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:6; N Pos. 1 /
Seq#:13; N Pos. 1 /
Seq#:14; N Pos. 1 /
Seq#:15; N Pos. 1 /
Seq#:16; N Pos. 1 /
Seq#:20; N Pos. 1 /